

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: November 20, 2000, 14:04:37 : Search time 12.27 Seconds
(without alignments)
214.467 Million cell updates/sec

Title: US-09-373-230-2

Perfect score: 808
Sequence: 1 NFGRLHCTAVIRINDQVL.....KKDENGKSVMTLTLNHS 157

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 164575 seqs, 16761186 residues

Total number of hits satisfying chosen parameters: 164575

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

1: Issued_Patents_AA:*
2: /cgn2_6/prodata/2/1aa/5A.COMB.pep:*
3: /cgn2_6/prodata/2/1aa/5B.COMB.pep:*
4: /cgn2_6/prodata/2/1aa/6.COMB.pep:*
5: /cgn2_6/prodata/2/1aa/PCITUS.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	806	99.8	157	2	US-08-502-535B-2
2	806	99.8	157	2	US-08-908-005A-2
3	806	99.8	157	3	US-08-996-338-27
4	513	63.5	157	2	US-08-896-605A-6
5	513	63.5	157	2	US-08-896-501A-4
6	513	63.5	157	3	US-08-884-324-1
7	513	63.5	157	3	US-08-996-338-26
8	513	63.5	193	2	US-08-896-605A-2
9	513	63.5	193	2	US-08-896-501A-2
10	80.5	10.0	456	1	US-08-464-164-2
11	80.5	10.0	456	1	US-08-338-057-2
12	80.5	10.0	456	2	US-08-668-416-2
13	76.5	9.5	1294	2	US-08-819-288-3
14	76.5	9.5	1321	1	US-08-261-822A-3
15	76.5	9.5	1321	4	PCT-US95-07744A-3
16	75.5	9.5	1321	1	US-07-766-682A-3
17	74	9.2	269	1	US-08-420-716-3
18	74	9.2	269	1	US-08-440-179-3
19	74	9.2	269	2	US-08-432-693-11
20	74	9.2	269	2	US-08-599-893-11
21	74	9.2	269	2	US-08-483-806-2
22	74	9.2	269	3	US-09-211-290-11
23	74	9.2	269	3	US-09-030-613-11
24	74	9.2	269	3	US-09-322-676-11
25	74	9.2	269	4	PCT-US91-02339-1
26	74	9.2	1082	1	US-08-106-493A-2
27	74	9.2	1082	1	US-08-429-264-2
28	74	9.2	1139	1	US-08-832-883-2

29	74	9.2	1139	2	US-08-832-877-2	Sequence 2, Appl1
30	71.5	8.8	99	1	US-08-710-749-6	Sequence 9, Appl1
31	71	8.8	65	1	US-08-426-819A-33	Sequence 33, Appl1
32	71	8.8	248	1	US-08-426-819A-37	Sequence 37, Appl1
33	71	8.8	267	1	5494663-5	Patent No. 5494663
34	71	8.8	584	1	US-08-426-819A-36	Sequence 36, Appl1
35	71	8.8	622	1	US-08-426-819A-35	Sequence 35, Appl1
36	71	8.8	628	3	US-08-776-271-2	Sequence 10, Appl1
37	68.5	8.5	2509	1	US-08-469-005A-10	Sequence 10, Appl1
38	68	8.4	155	5	5494663-8	Patent No. 5494663
39	68	8.4	270	2	US-08-611-880-1	Sequence 1, Appl1
40	67.5	8.4	516	2	US-09-019-201A-3	Sequence 3, Appl1
41	67.5	8.4	866	1	US-08-100-692-1	Sequence 1, Appl1
42	67.5	8.4	866	2	US-08-674-030-1	Sequence 1, Appl1
43	67.5	8.4	874	2	US-08-247-904B-8	Sequence 8, Appl1
44	67.5	8.4	874	3	US-08-767-942A-21	Sequence 21, Appl1
45	67	8.3	153	5	5217714-4	Patent No. 5217714

ALIGNMENTS

RESULT 1
US-08-502-535B-2
Sequence 2, Appl1
Patent No. 5912324
GENERAL INFORMATION:
APPLICANT: OKAMURA, Haruki
APPLICANT: TANIMOTO, Tadao
APPLICANT: TORIGOE, Kakuji
APPLICANT: KUNIKATA, Toshio
APPLICANT: TANICUCHI, Mutsuko
APPLICANT: KOHNO, Keizo
APPLICANT: KURIMOTO, Masashi
TITLE OF INVENTION: IFN-BETA PRODUCTION INDUCING PROTEIN AND
TITLE OF INVENTION: MONOCLONAL ANTIBODY OF THE SAME
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSER: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/502,535B
FILING DATE: 14-JUL-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 184162/1994
FILING DATE: 14-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 45057/1995
FILING DATE: 10-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: OKAMURA-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 157 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-502-535B-2

Page 3

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Query Match Length      63:58; Score 513; DB 2; Length 157;
Best Local Similarity 64:98; Pred. No. 1,66-53;
Matches 100; Conservative 26; Mismatches 26; Indels 2; Gaps 2.

OY      2  FGRHCHTFAVININIDQYLFEYDK-RQPVPEDMTDIDQASHPQTRLIIYWKDSEVRGLA 60
          |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      2  FGRLEKRLVFINRLNDQYLFEIDQSNRPLEFEDMTSDCDKDNAPRITIIISMVSDQSPRMA 61

OY      61  VTTSVKDSKXKRLSCSKNKKIISFEEMDPNPINIDIOSDIIFPOKKVRGH-NKMEFFSSLYE 119
          |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      62  VTTSVKCEKIKSLSCENKKIISFEKEMNPNNIKDTSIIIFQSRVPGDHNNKQFESSSYE 121

OY      120  GHFLACQKEDDAFKLILKKDKDENGDSVMFTITN 153
          |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      122  GYFLACEKERDPLFKLILKKEDELDRSIMEFTVON 155

RESULT      6
US-08-884-324-1
; Sequence 1, Application US/08848324
; Patent No. 6060283
; GENERAL INFORMATION:

```

APPLICANT: Takanori OKURA
APPLICANT: Kakuji TORIGOE
APPLICANT: Masashi KURIMOTO
TITLE OF INVENTION: GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
OF INDUCING THE PRODUCTION OF INTERFERON-
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/884,324
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 185,305/96
FILING DATE: 27-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: OKURA-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 157 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-884-324-1

Query Match 63.5%; Score 513; DB 3; Length 157;
Best Local Similarity 64.9%; Pred. No. 1.6e-53;
Matches 100; Conservative 26; Mismatches 26; Indels 2; Gaps 2;
QY 2 FGRHCTAVIRININDVLPDK-RQPVFEDMTDIDQASASEPOTRLIYYKDSVGRGLA 60
DB 2 FGKLESLSVIRINNDVLPFDIDGNRPLEFEDMTDSDCRDNAPRTIIFISMYKDSQPRGMA 61
QY 61 VTLVSVDKSKSTLSCNKKIISPEMDPENIDIDQSDLIFFOKRYPGH-NKMEFESSLYE 119
DB 62 VTLVSVDKSKSTLSCNKKIISPEMDPENIDIDQSDLIFFOKRYPGH-NKMEFESSLYE 121
QY 120 GHFLACQKEDAFKLILKKDENGDKSVMTLTN 153
DB 122 GYFLACEKERDLFKLILKKDELDGRLSIMFTYON 155

RESULT 7
US-08-996-338-26
Sequence 26, Application US/08996338
Patent No. 6087116
GENERAL INFORMATION:
APPLICANT: TORIGOE, Kakuji
APPLICANT: OKURA, Takanori
APPLICANT: KURIMOTO, Masashi
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.

COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/996,338
FILING DATE: 22-DEC-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 74,697/1997
FILING DATE: 12-MAR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 215,488/1997
FILING DATE: 28-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 291,837/1997
FILING DATE: 09-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: TORIGOE-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 157
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-996-338-26

Query Match 63.5%; Score 513; DB 3; Length 157;
Best Local Similarity 64.9%; Pred. No. 1.6e-53;
Matches 100; Conservative 26; Mismatches 26; Indels 2; Gaps 2;
QY 2 FGRHCTAVIRININDVLPDK-RQPVFEDMTDIDQASASEPOTRLIYYKDSVGRGLA 60
DB 2 FGKLESLSVIRINNDVLPFDIDGNRPLEFEDMTDSDCRDNAPRTIIFISMYKDSQPRGMA 61
QY 61 VTLVSVDKSKSTLSCNKKIISPEMDPENIDIDQSDLIFFOKRYPGH-NKMEFESSLYE 119
DB 62 VTLVSVDKSKSTLSCNKKIISPEMDPENIDIDQSDLIFFOKRYPGH-NKMEFESSLYE 121
QY 120 GHFLACQKEDAFKLILKKDENGDKSVMTLTN 153
DB 122 GYFLACEKERDLFKLILKKDELDGRLSIMFTYON 155

RESULT 8
US-08-896-605A-2
Sequence 2, Application US/0889605A
Patent No. 5879942
GENERAL INFORMATION:
APPLICANT: TANIMOTO, Tadao
APPLICANT: KURIMOTO, Masashi
TITLE OF INVENTION: PROCESSING ENZYME FOR POLYPEPTIDE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/896,605A
FILING DATE: 18 JULY 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 207,691/1996
FILING DATE: 19-JUL-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 156,062/1997
FILING DATE: 30-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: TANIMOTO-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 193 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-896-605A-2

Query Match 63.5%, Score 513, DB 2, Length 193;
Best Local Similarity 64.9%, Pred. No. 2, 2e-53;
Matches 100; Conservative 26; Mismatches 26; Indels 2; Gaps 2;

QY 2 FGLHCTAVIRNINDVLEVDK-RQPVFEDMTDIDQASASEPOTRLIITYKXSEVGLA 60
DB 38 FGKLESRLSVIRNLNDQVLEFDQGNRPLEFEDMTDSCRDNAERTFIITSMYKSDQPRGMA 97
QY 61 VTLGVKDSKXSTLSCNKNITISFEEMDPENIDIDQSDLIFFQKRVPGH-NKMEFESSLYE 119
DB 98 VTISVCKEKISXLSCKNKITISFEKNPPDNKDKSDIIFQFORSVPGHDKMKOFESSSYE 157
QY 120 GHFLACQKEDDAFKLLKKKRDENGSKSYMFTLTN 153
DB 158 GYFLACEKERDLKRLKKKEDLGSRISMTFTVN 191

RESULT 9
US-08-896-501A-2
Sequence 2, Application US/08896501A
Patent No. 5891663
GENERAL INFORMATION:
APPLICANT: TANIMOTO, Tadao
APPLICANT: KURIMOTO, Masashi
TITLE OF INVENTION: PROCESS FOR PRODUCING POLYPEPTIDE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEWMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/896,501A
FILING DATE: 18-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 213,267/1996
FILING DATE: 25-JUL-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 31,474/1997
FILING DATE: 31-JAN-1997

ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: TANIMOTO-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 193 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-896-501A-2

Query Match 63.5%, Score 513, DB 2, Length 193;
Best Local Similarity 64.9%, Pred. No. 2, 2e-53;
Matches 100; Conservative 26; Mismatches 26; Indels 2; Gaps 2;

QY 2 FGLHCTAVIRNINDVLEVDK-RQPVFEDMTDIDQASASEPOTRLIITYKXSEVGLA 60
DB 38 FGKLESRLSVIRNLNDQVLEFDQGNRPLEFEDMTDSCRDNAERTFIITSMYKSDQPRGMA 97
QY 61 VTLGVKDSKXSTLSCNKNITISFEEMDPENIDIDQSDLIFFQKRVPGH-NKMEFESSLYE 119
DB 98 VTISVCKEKISXLSCKNKITISFEKNPPDNKDKSDIIFQFORSVPGHDKMKOFESSSYE 157
QY 120 GHFLACQKEDDAFKLLKKKRDENGSKSYMFTLTN 153
DB 158 GYFLACEKERDLKRLKKKEDLGSRISMTFTVN 191

RESULT 10
US-08-464-164-2
Sequence 2, Application US/08464164
Patent No. 5614195
GENERAL INFORMATION:
APPLICANT: Tomley, Fiona M.
APPLICANT: Dunn, Paul P. J.
APPLICANT: Bumstead, Janene M.
APPLICANT: Vermeulen, Arno N.
TITLE OF INVENTION: Coccidiosis poultry vaccine
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Akzo No. 5614195el Patent Department
STREET: 1300 Piccard Drive, Suite 206
CITY: Rockville
STATE: Maryland
COUNTRY: U.S.A.
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,164
FILING DATE: June 2, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gormley, Mary E.
REGISTRATION NUMBER: 34,409
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 258-5200
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 456 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-464-164-2

Query Match	10.0%;	Score 80.5;	DB 1;	Length 456;
Best Local Similarity	25.7%;	Pred. No. 0.19;		
Matches 29;	Conservative 21;	Mismatches 42;	Indels 21;	Gaps 4;

[illegible]

RESULT 11
US-08-338-057-2

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1  APPLICANT: Tomley, Fiona M.
2  APPLICANT: Dunn, Paul P. J.
3  APPLICANT: Burnstead, Janene M.
4  APPLICANT: Vermeulen, Arno N.
5  TITLE OF INVENTION: Coccidiosis poultry vaccine
6  NUMBER OF SEQUENCES: 10

```

ADDRESS: Organon Teknika Corporation
STREET: 1330 Ploccard Drive
CITY: Rockville
STATE: Maryland
COUNTRY: U.S.A.
8220 00000

? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: PatentIn Release #1.0, Version #1.25
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/338,057
 ? FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93.309078.9
FILING DATE: 12-NOV-1993
ATTORNEY/AGENT INFORMATION:

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; NAME: Gormley, Mary E.
; REGISTRATION NUMBER: 34,409
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 258-5200
; INFORMATION FOR SEQ ID NO: 2:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 456 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-338-057-2

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Query Match	10.0%;	Score 80.5;	DB 1;	Length 456;
Best Local Similarity	25.7%;	Pred. NO. 0.19;		
Matches 29;	Conservative 21;	Mismatches 42;	Indels 21;	Gaps 4;

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Db 216 PQMKVSEPAKDILRKLMLAVYPSIRISAKDABHPHKTSDYAKBDI-----NL 285
    || || || || || || || || || || || || || || || || || || || || ||
0Y 92 DDOISDLIFQKRPYGNHKKMFESSLEYGHPLQACQEDDAFKLLIKKXKDENGD 144
    || || || || || || || || || || || || || || || || || || || || ||
Db 266 PSESTLIINT-ROFQGTOKLAAALLLYMGSKLTLTNETDELINKIFQCKMDNG 317
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RESULT 12

US-08-668-416-2
; Sequence 2, Application US/08668416

? APPLICANT: Tomley, Fiona M.
 ? APPLICANT: Dunn, Paul P. J.
 ? APPLICANT: Bumstead, Janene M.
 ? APPLICANT: Vermeulen, Arno N.
 ? TITLE OF INVENTION: Coccidiosis poultry vaccine
 ? NUMBER OF SEQUENCES: 10
 ? CORRESPONDENCE ADDRESS:

ADDRESSEE: Akzo NO. 5843722e1 Patent Department
STREET: 1300 Piccard Drive, Suite 206
CITY: Rockville
STATE: Maryland
COUNTRY: U.S.A.
STD. 30650

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.35
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/668,416
FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/464,164
FILING DATE: June 2, 1995

```

: NAME: Gormley, Mary E.
: REGISTRATION NUMBER: 34,409
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (301) 258-5200
: INFORMATION FOR SEQ. ID NO.: 2:
: Generated by GENESEARCH

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; LENGTH: 456 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-668-416-2

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Query Match	10.0%;	Score 80.5;	DB 2;	Length 456;
Best Local Similarity	25.7%;	Pred. No. 0.19;		
Matches	29;	Conservative	21;	Mismatches 42;
			Indels	21;
			Gaps	4

[illegible]

RESULT 13
US-08-819-288-3

? APPLICANT: Ecker, Joseph
 ? APPLICANT: Alonso, Jose
 ? TITLE OF INVENTION: PLANT GENES FOR SENSITIVITY TO ETHYLENE
 ? TITLE OF INVENTION: AND PATHOGENS
 ? NUMBER OF SEQUENCES: 19
 ? CORRESPONDENCE ADDRESS:

ADDRESS: Woodcock Washburn Kurtz Mackiewicz & No. 595565318
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103

Sat Nov 25 20:12:58 2000

us-09-373-230-2.ra1

Page 8

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OY      62 TLS--VKDSKXSTLSCCKNKRIISFEEMDPPEPIDDIQSDLIFFQKRYVG 107
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Db      572 LQSTVAVNEVSKDLIVETKMAKIEPMSPVKEIIVSMENNSKFIKDYEG 619

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Search completed: November 20, 2000, 14:06:16
Job time: 99 sec